



Voltage detector - Profi III type - 1.000 V c.a.

EN 61243-3



Code: Profi III LED+
Profi III LCD+

Profi III LED+/LCD+ bipolar low voltage detectors (also known as Multitesters) provide optical, acoustic and vibrating signalling of the presence and level of alternating and direct voltage, the homopolar indication of the network phase, inspection of continuity of power circuits, semiconductor junctions and indication of phase sequence in three-phase power networks.

Starting from a voltage rate of more than 35 V AC / DC, in bipolar measurement, detectors provide optical, acoustic and vibrating indications of the presence of hazardous voltage.

Detectors provide optical indications of the presence of voltage also in the circumstances that the batteries are discharged or missing

Detectors are of robust design, with a high level of safety against overvoltage (CAT IV 1000 V), high protection level IP 65, self-test function, mini-flashlight function for the lighting of the work area and automated disconnection position which prevents the premature discharge of batteries. Detectors are in permanent stand-by condition, the performance of measurements being available immediately, without having to operate a start button. Detectors are provided with (FI RCD) buttons which, once pressed allow the inspection of the protective conductor by the triggering of the protective circuit breaker.

Detectors can be used together with **contact extension pieces PA-01**.

Detector model	Profi III LED +	Profi III LCD +
Rated operating voltage	6 ÷ 1.400 V c.c. 6 ÷ 1.000 V c.a. (TRMS*)	6 ÷ 1.400 V c.c. 6 ÷ 1.000 V c.a. (TRMS*)
Resolution (V)	LED: 12, 24, 48, 120, 230, 400, 690, 1.000	LCD (liquid crystal display)
Frequency range	16,66 ÷ 500 Hz	
Maximum duration of measurement (s)	30	
Homopolar phase detection	OPTICAL for U > 100 V c.a.	
Phase sequence indication in three-phase power networks	YES, for U > 100 V c.a.	
Self-test	DA	
Resistance measurement	NO	YES 0 ÷ 2 kΩ
Continuity check	OPTICAL AND ACOUSTICAL < 200 kΩ	OPTICAL AND ACOUSTICAL: < 5 kΩ / OPTIC: < 200 kΩ
Frequency measurement	NO	16,66~500 Hz
Range of operating temperatures (°C)	-15...+45	
Protection level	IP 65	
Overall size (mm)	300 x 75 x 20	
Battery detector weight (kg)	0,270	0,270
Supply	2 batteries x 1,5 V, R03, AAA	

* TRMS - true RMS = true root mean square



Profi III LED+



Profi III LCD+